

Job Description: CNC Panel Wiring Technician

Company: Rock Integration
Location: Escanaba, MI
Employment Type: Full-Time

Position Overview

Rock Integration is seeking a highly skilled and meticulous **CNC Panel Wiring Technician** to join our production team. In this role, you will be responsible for the precision assembly and wiring of high-end CNC control panels, primarily utilizing **Fanuc CNC controls**.

As a key contributor to our OEM projects, you will ensure that every panel meets our rigorous internal quality standards and remains in strict compliance with **UL508A safety regulations**. This position requires a "right-first-time" mentality and an exceptional eye for detail.

Key Responsibilities

- **Precision Wiring:** Execute point-to-point wiring, component mounting, and cable routing for complex CNC control systems based on technical schematics.
- **Fanuc Integration:** Integrate Fanuc CNC hardware, including drives, power supplies, and I/O modules, ensuring clean and logical layouts.
- **UL508A Compliance:** Adhere strictly to UL508A standards for industrial control panels, including proper grounding, wire sizing, and labeling protocols.
- **Quality Assurance:** Perform self-inspections and continuity testing to identify and correct any deviations from the engineering design or quality benchmarks.
- **OEM Customization:** Adapt wiring techniques to meet specific requirements for various Original Equipment Manufacturer (OEM) machine configurations.
- **Documentation:** Maintain accurate production logs and mark up "as-built" drawings for the engineering team.

Required Qualifications & Skills

- **Technical Expertise:** Proven experience in electrical panel building or industrial automation wiring.
- **System Knowledge:** Direct experience with **Fanuc** control systems and components is highly preferred.
- **Schematic Literacy:** Ability to read and interpret complex electrical blueprints, ladder logic, and point-to-point wiring diagrams.
- **Detail Orientation:** Exceptional neatness in wire bundling, ferrule crimping, and labeling. We take pride in panels that are as aesthetic as they are functional.
- **Standards Familiarity:** Practical understanding of **UL508A** and NEC codes.
- **Tool Proficiency:** Expert use of hand tools, crimpers, wire strippers, and multi-meters.

Physical Requirements

- Ability to stand for extended periods.
- Manual dexterity for handling small components and wires.
- Ability to lift up to 50 lbs.
- **Background check required.**

Send resume to marketing@rockintegration.com

